



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION**

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CertainTeed Corporation (PA)
1400 Union Meeting Road
Blue Bell, PA 19422

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Flintlastic SA Roofing Systems Over Steel Decks

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA # 10-0330.01 and consists of pages 1 through 7.
The submitted documentation was reviewed by Alex Tigera.



NOA No.: 15-0108.02
Expiration Date: 06/09/20
Approval Date: 05/14/15
Page 1 of 7

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: Modified Bitumen
Material: SBS
Deck Type: Steel
Maximum Design Pressure: -60 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

		Test	Product
<u>Product</u>	<u>Dimensions</u>	<u>Specification</u>	<u>Description</u>
Flintlastic SA NailBase	66'6" x 39-3/8"	ASTM D4601, Type II	Fiberglass reinforced, SBS modified bitumen base sheet.
Flintlastic SA Mid Ply	33'11" x 39-3/8"	ASTM D6164	Polyester and Fiberglass scrim reinforced, SBS modified ply sheet.
Flintlastic SA PlyBase	39'-3/8" x 66'6"	ASTM D1970	A self-adhering Fiber glass mat, SBS modified bitumen ply sheet.
Flintlastic SA Cap	33'11" x 39-3/8"	ASTM D6164	Polyester scrim reinforced, self-adhering SBS cap sheet.
Flintlastic SA Cap FR	33'11" x 39-3/8"	ASTM D6163	Fiberglass scrim reinforced, self-adhering fire retardant SBS cap sheet.
Flintlastic SA Cap CoolStar	33'11" x 39-3/8"	ASTM D6164	Polyester scrim reinforced, SBS cap sheet with a CoolStar coating.
Flintlastic SA Cap FR CoolStar	33'11" x 39-3/8"	ASTM D6163	Fiberglass scrim reinforced, fire retardant SBS cap sheet with a CoolStar coating.
FlintPrime Asphalt	1, 3 or 5 gal pail	ASTM D 41	Asphalt primer.
FlintPrime SA	1, 3 or 5 gal pail	Proprietary	Water based, polymer modified primer.

APPROVED INSULATIONS:

TABLE 2

<u>Product</u>	<u>Product Description</u>	<u>Manufacturer (with current NOA)</u>
FlintBoard ISO	Polyisocyanurate insulation	CertainTeed Corp.
ACFoam II	Polyisocyanurate insulation	Atlas Roofing Corp.
ENRGY 3	Polyisocyanurate insulation	Johns Manville
Multi-Max FA-3	Polyisocyanurate insulation	R-Max, Inc.
H-Shield	Polyisocyanurate insulation	Hunter Panels
DensDeck	Gypsum cover board	Georgia Pacific
Perlite	Expanded perlite insulation board	Generic
High Density Wood Fiberboard	Wood fiberboard insulation	Generic

APPROVED FASTENERS:

TABLE 3

<u>Fastener Number</u>	<u>Product Name</u>	<u>Product Description</u>	<u>Manufacturer (with current NOA)</u>
1.	Dekfast 14 with Dekfast Hex Plate	Roofing screw with hexagonal steel plate	SFS Intec, Inc.
2.	Trufast #14 HD Fastener with Trufast 3" Metal Insulation Plate	Roofing screw with 3" round steel plate	Tru-Fast Corporation
3.	Roofgrip #14 with Flat Bottom Plate	Roofing screw with 3" square steel plate	ITW Buildex
4.	OMG Heavy Duty with 3 in. Round Metal Plate	Roofing screw with 3" round steel plate	OMG, Inc.
5.	FlintFast #14 with FlintFast 3" Insulation Plate	Roofing screw with 3" round steel plate	CertainTeed

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Description</u>	<u>Date</u>
Underwriters Laboratories	R11656	UL790	Annually
Momentum Technologies, Inc.	DX08C4A DX20E3A	Physical Properties Physical Properties	03/22/04 03/22/04
Factory Mutual Research	3009610 2D5A9.AM 3014751 3014692 3012321 3008869 3037127	FM 4450 FM 4450 FM 4450 FM 4450 FM 4450 FM 4470 FM 4470	10/15/01 06/22/99 08/12/03 08/05/03 07/29/02 03/19/01 01/11/10
Exterior Research & Design, LLC	3518.12.03 3519.12.03 3515.07.03 3521.07.04 3522.07.04	TAS 114-F/G/I TAS 114-D/J & TAS 117(B) TAS 114-J & TAS 117(B) TAS 114-J & TAS 117(B) TAS 114-D	12/01/03 12/22/03 07/22/03 07/28/04 07/28/04
Trinity ERD	C31410.06.10 C7290.01.08 C8370.08.08-R1 C8500SC.11.07-R1 C10080.09.08-R4 C10080.09.10	ASTM D 5147/4798 ASTM D 4601/1970 TAS 114-H/J & TAS 117(B) ASTM D 6862/TAS 117(B) ASTM D 5147/6163/6164 ASTM D 6222/3909 ASTM D 5147 & 6163	06/03/10 01/16/08 10/05/09 08/07/09 03/25/10 09/01/10
PRI Construction Materials Technologies	CTC-034-02-01 REV	ASTM D 6163	11/24/08

APPROVED ASSEMBLIES:

Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 gage, Type B, Grade 33 Steel deck attached to steel supports at a maximum span of 6 ft. o.c. Steel deck shall be attached to supports using puddle welds and weld-washers spaced 6" o.c. Side laps shall be fastened with Tek 1 screws at a maximum spacing of 18 inches o.c.

System Type C(1): All layers of insulation simultaneously attached.

All General and System Limitations apply.

One or more layers of any of the following insulations.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FlintBoard ISO, ACFoam II, ENRGY 3, Multi-Max FA-3, H-Shield Minimum 1.5" thick	N/A	N/A

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.

<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck Minimum 1/4" thick	1, 2, 3, 4	1:1.33 ft ²

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Primer: Apply FlintPrime SA to DensDeck surface at 0.3 gal/square.

Base Sheet: One layer of Flintlastic SA Mid Ply, self-adhered.

Ply Sheet: (Optional) One or more layers of Flintlastic SA Mid Ply or Flintlastic SA PlyBase self-adhered.

Membrane: One layer of Flintlastic SA Cap, Flintlastic SA Cap FR, Flintlastic SA Cap FR CoolStar, Flintlastic SA Cap CoolStar self-adhered.

Surfacing: None

Maximum Design Pressure: -45 psf (See General Limitation #7.)



Deck Type 2I: Steel, Insulated

Deck Description: Minimum 22 gage, Type B, Grade 33 Steel deck attached to steel supports at a maximum span of 6 ft. o.c. Steel deck shall be attached to supports using puddle welds and weld-washers spaced 6" o.c. Side laps shall be fastened with Teks 1 screws at a maximum spacing of 18 inches o.c.

System Type D(1): All layers of insulation and base sheet simultaneously attached

All General and System Limitations apply.

One or more layers of any of the following insulations.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FlintBoard ISO, ACFoam II, ENRGY 3, Multi-Max FA-3, H-Shield Minimum 1.5" thick	N/A	N/A
<u>(Optional) Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck Minimum 1/4" thick	N/A	N/A
Perlite Minimum 3/4" thick	N/A	N/A
High Density Wood Fiberboard Minimum 1/2" thick	N/A	N/A

Note: Top layer shall have preliminary attachment, prior to the installation of the base/anchor sheet, at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft. All layers of insulation and base sheet shall be simultaneously fastened. See base/anchor sheet below for fasteners and density.

Base Sheet: One layer of Flintlastic SA NailBase, mechanically attached as detailed below.

Fastening: Base sheet shall be fastened with Dekfast #14 with Hex Plates, Tru-Fast HD with MP-3 Plates, FlintFast #14 with 3" Insulation Plates, Roofgrip #14 with Flat Bottom Plates or Olympic HD with Standard Plates spaced 12" o.c. in a min. 4" wide lap and 12" o.c. in two equally spaced, staggered rows in the center of the sheet.

Ply Sheet: (Optional) One or more layers of Flintlastic SA Mid Ply or Flintlastic SA PlyBase self-adhered.

Membrane: One layer of Flintlastic SA Cap, Flintlastic SA Cap FR, Flintlastic SA Cap FR CoolStar, Flintlastic SA Cap CoolStar self-adhered.

Surfacing: None.

Maximum Design Pressure: -60 psf (See General Limitation #7.)

STEEL DECK SYSTEM LIMITATIONS:

1. If mechanical attachment to the structural deck through the lightweight insulating concrete is proposed, a field withdrawal resistance testing shall be performed to determine equivalent or enhanced fastener patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117, calculations shall be signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant.
2. For steel deck application where specific deck construction is not referenced: The deck shall be a minimum 22 gage attached with 5/8" puddle welds with weld washers at every flute with maximum deck spans of 5 ft. o.c.

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each side lap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq. **Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.**
5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform to Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE